



Espacenet

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Dry, damage-free removal of labels from hollow plastic products, particularly containers, involves passing containers between a drum and stator where various forces are applied for complete label removal

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Abstract of DE 10308500 (A1)

Containers pass through a conveying section of a drum-shaped unit with a rotor(20) and stator(30) in which their surfaces are subjected various forces. The length of the conveying section through the stator ensures that the duration of the axial, radial and tangential forces imposed on the containers is sufficient to completely separate the labels from the products. During processing containers and labels are accelerated to not less than 5 metres/second. At the end of the conveying section centrifugal force produces an output speed of containers and labels of 15-80 metres/second. Labels removed from containers are then separated in a separated stream by sieving, sifting in an air flow or ballistic separation. An independent claim is included for the process equipment which comprises an outer stator (30) surrounding a rotating shaft with tools and the inner wall of the stator has rough or sharp features which act on the containers while the conveying section length is as previously stated.

